

MERCADO CENTRAL DE PESCADOS MERCAMADRID

Madrid, Spain

2018

Mercamadrid, Fish market

COOL-R Highly Reflective Waterproofing Coating

PROJECT DESCRIPTION / NEEDS

Fish market in Spanish capital is a place where shopkeepers, wholesalers, restaurant's chefs and individual customers buy fresh or frozen fish and seafood every day. To ensure adequate storage conditions for this kind of temperature sensitive goods, on the site there is also ice factory, delivering 20 tons of ice for trading stands each day. For this kind of facility maintaining low temperature inside is a key factor for business success. On the other hand one of the biggest concerns for facility owner is cost reduction in terms of air conditioning and ice production.



APPLICATION / UTILIZATION

The whole roof surface of 33.000 m² covered with bitumen membrane was cleaned and primed before application of COOL-R. During renovation process two layers of waterproofing coating were applied. First one in grey was used as an undercoat layer and second one in white was the final layer with highly reflective properties.

Main products / systems used:

COOL-R Primer

COOL-R Highly Reflective Waterproofing Coating,
layer 1 in grey

COOL-R Highly Reflective Waterproofing Coating
layer 2 in white

CUSTOMER BENEFITS

Temperature under the roof was reduced by 7 degrees, what improved not only thermal comfort inside the building but also secured proper storage conditions for temperature sensitive goods. At the same energy consumption by air conditioning system was reduced, optimizing maintenance cost of the facility.